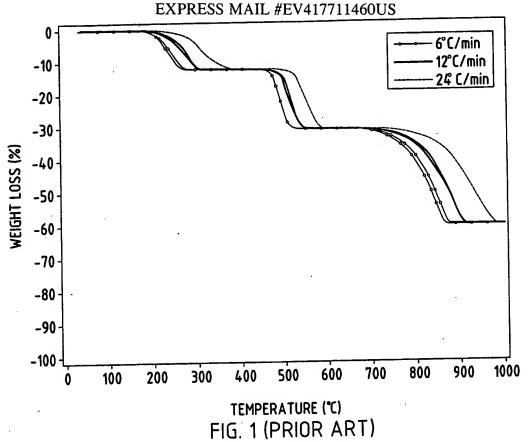
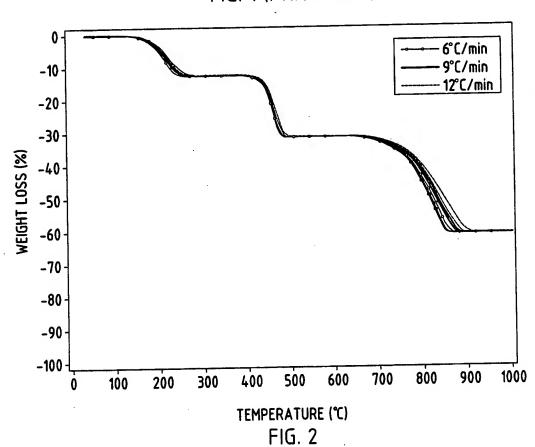
#### For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

Attorney Docket No. LEC01 P429
Sheet 1 of 8 sheets of drawings.





#### For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

Attorney Docket No. LEC01 P429 Sheet 2 of 8 sheets of drawings. EXPRESS MAIL #EV417711460US

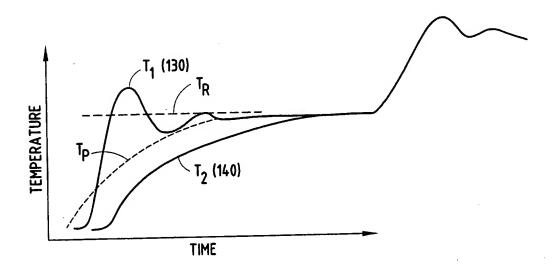


FIG. 3

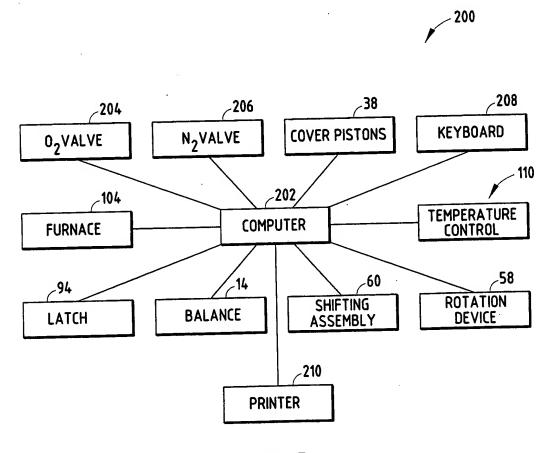
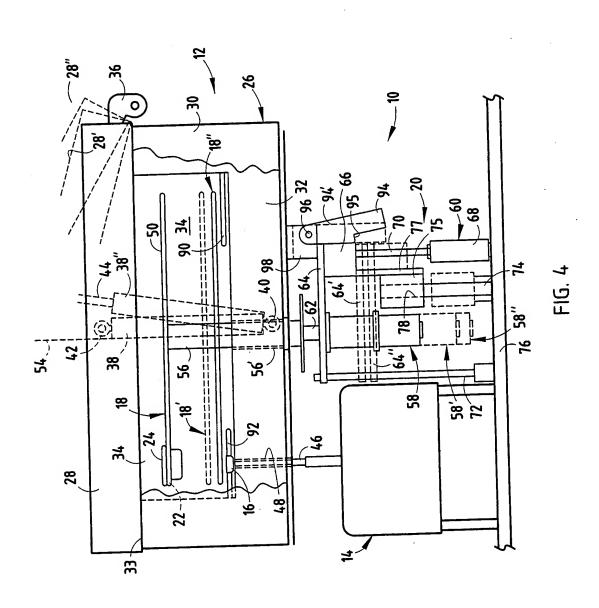


FIG. 7

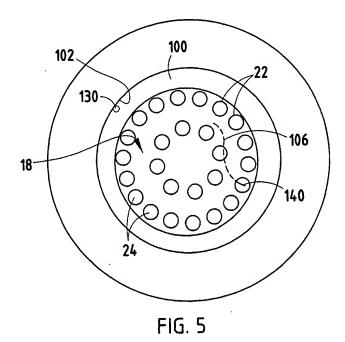
## For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

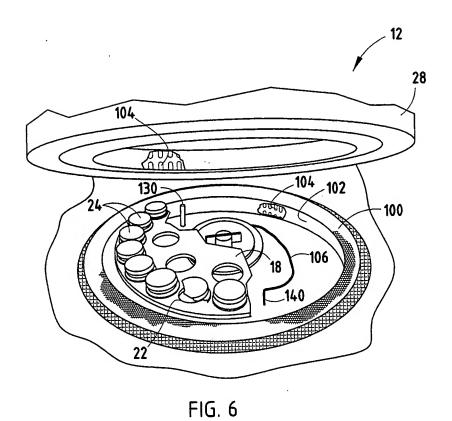
Attorney Docket No. LEC01 P429 Sheet 3 of 8 sheets of drawings. EXPRESS MAIL #EV417711460US



## For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

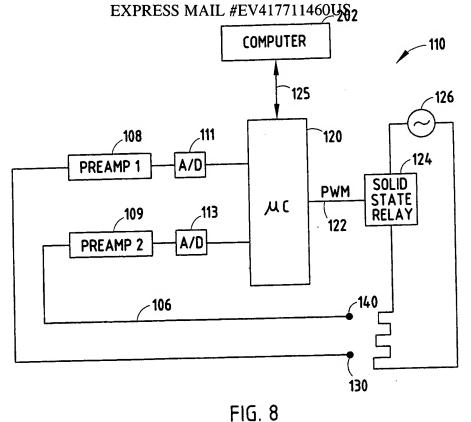
Attorney Docket No. LEC01 P429 Sheet 4 of 8 sheets of drawings. EXPRESS MAIL #EV417711460US





#### For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

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FROM
TRAINING

USE PREDICTED CRUCIBLE
TEMPERATURE AS FEEDBACK FOR CONTROL

428

COOL TO NEAR ROOM TEMPERATURE;
TARGET (0)

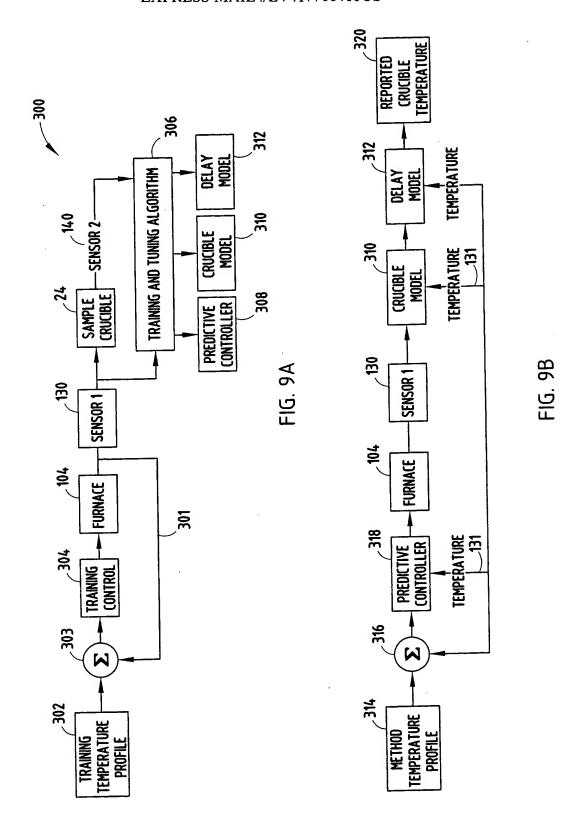
START WITH TARGET (1), START WITH
CONTROL COEFFICIENTS

A

FIG. 11A

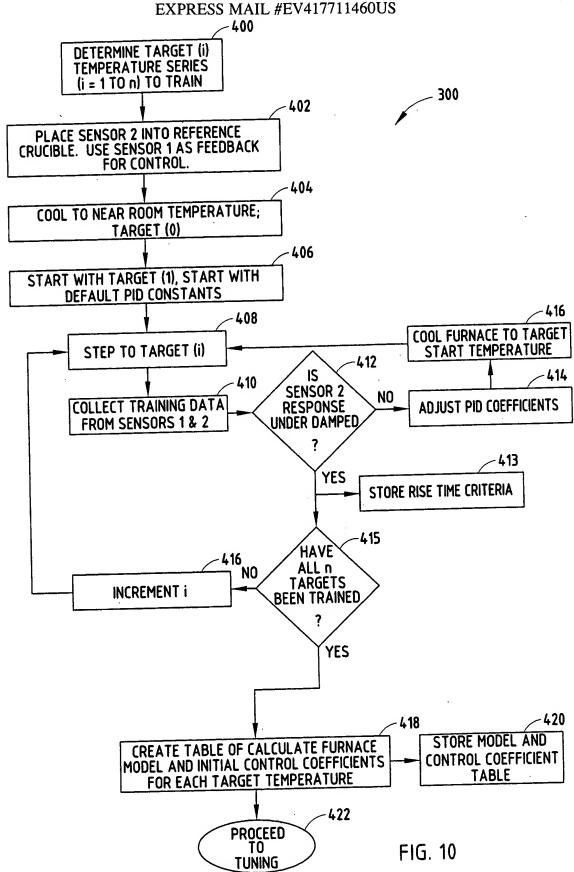
### For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

Attorney Docket No. LEC01 P429 Sheet 6 of 8 sheets of drawings. EXPRESS MAIL #EV417711460US



## For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

Attorney Docket No. LEC01 P429
Sheet 7 of 8 sheets of drawings.
EXPRESS MAIL #FV417711460118



# For: ANALYTICAL FURNACE WITH PREDICTIVE TEMPERATURE CONTROL

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